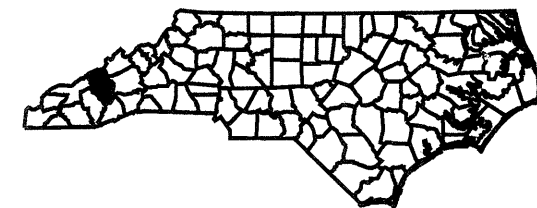
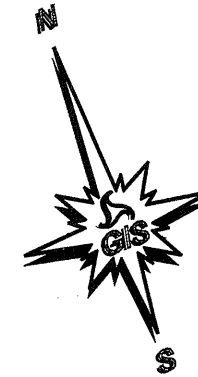
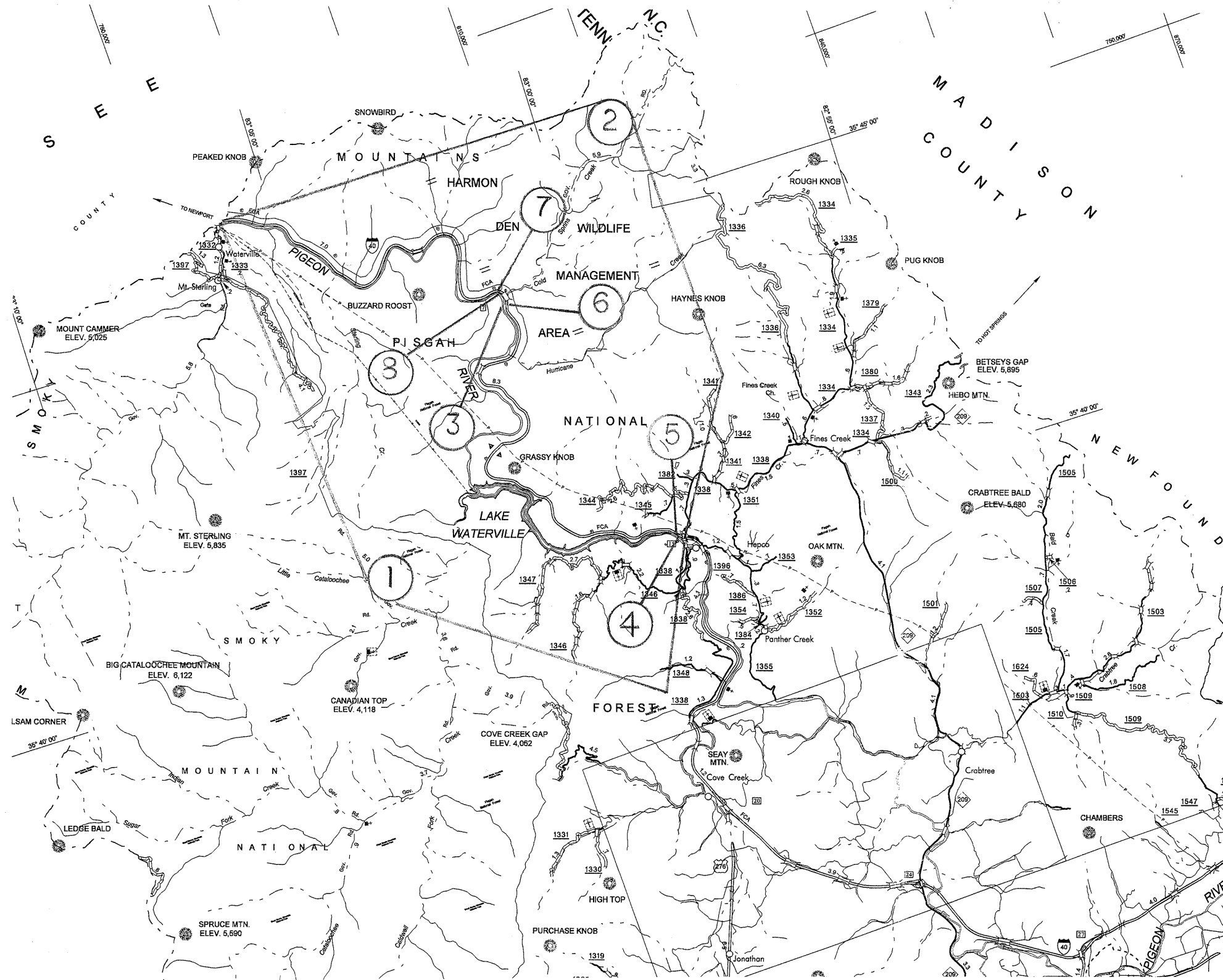


# HAYWOOD COUNTY

## NORTH CAROLINA

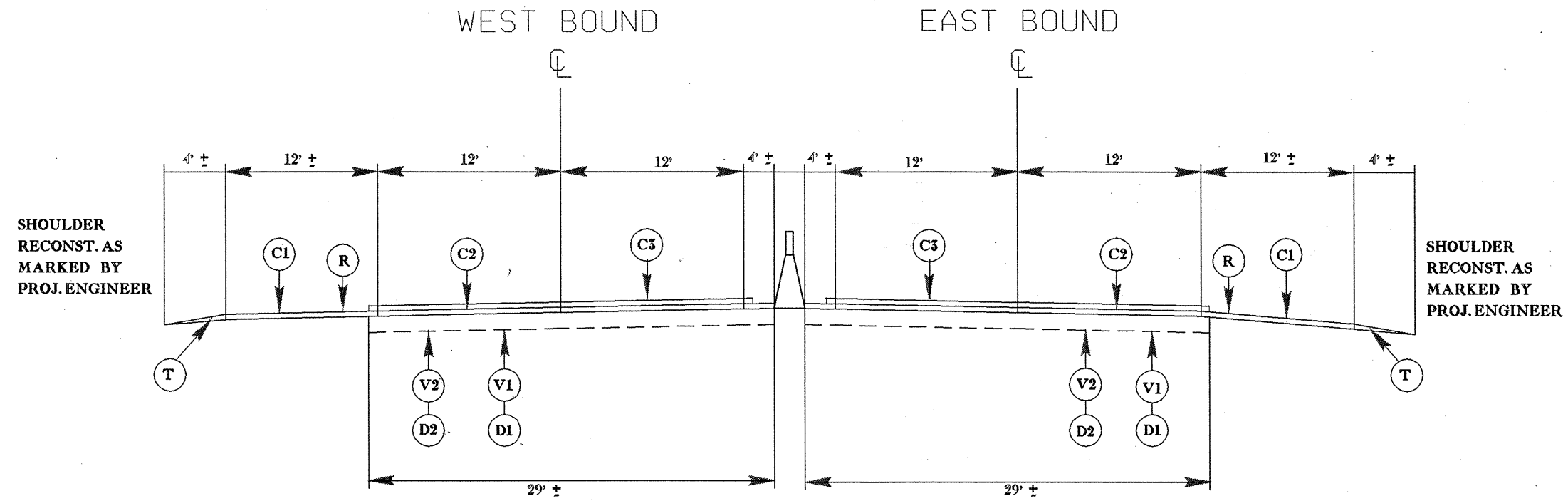
PROJECT NO.	SHEET NO.	TOTAL NO.
I-4910 (39997.3.GV1)	1	5



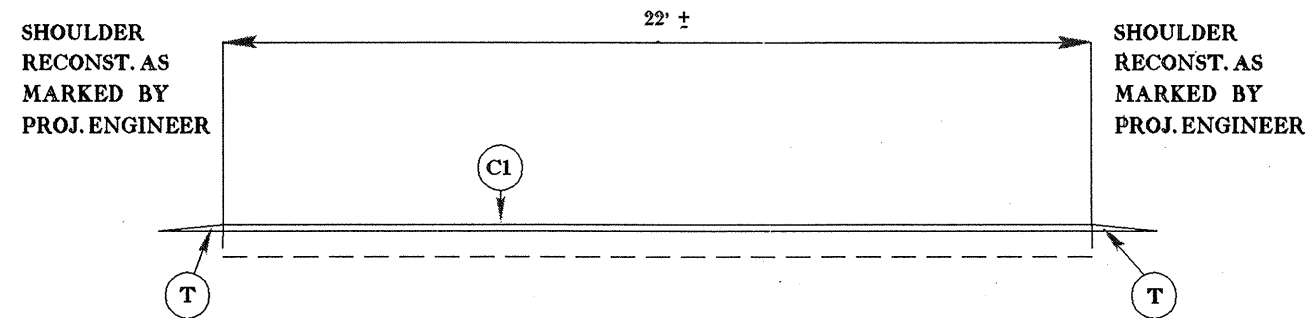
050151

PROJECT REFERENCE NO.		SHEET NO.
I-4910 (39997.3.GV1)		2 of 5
STATE PROJECT	F.A. PROJECT NO.	DESCRIPTION
39997.3.GV1		

# TYPICAL 1



# TYPICAL 2

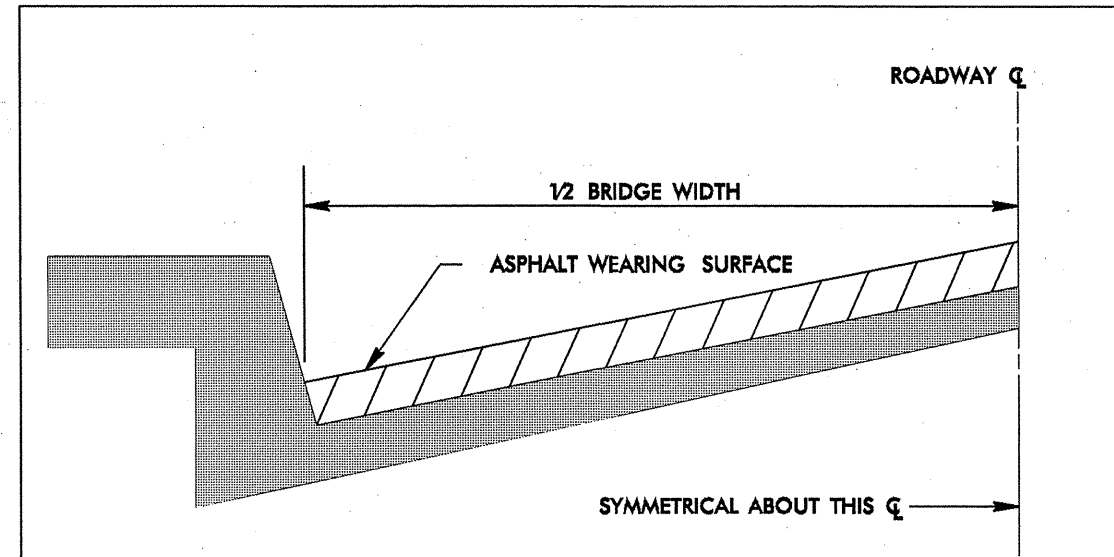


050191

## SURFACING SCHEDULE

ITEM NO	DESCRIPTION
C1	ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. (1.5")
C2	ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. (1.5")
C3	OPEN GRADED ASPHALT FRICTION COURSE, TYPE FC-1 MODIFIED AT AN AVERAGE RATE OF 75 LBS. PER SQ. YD.
D1	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0D, AT AN AVERAGE RATE OF 342 LBS. PER SQ. YD. (3"), AT LOCATIONS AS DIRECTED BY THE ENGINEER.
D2	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0D, AT AN AVERAGE RATE OF 684 LBS. PER SQ. YD. (6") IN TWO LAYERS OF 342 LBS. PER SQ. YD. (3") EACH, AT LOCATIONS AS DIRECTED BY THE ENGINEER.
R	MILLED RUMBLE STRIPS
V1	MILLING ASPHALT PAVEMENT 3" IN DEPTH AS DIRECTED BY PROJECT ENGINEER.
V2	MILLING ASPHALT PAVEMENT 6" IN DEPTH AS DIRECTED BY PROJECT ENGINEER.
T	SHOULDER CONSTRUCTION WITH ABCM - SEE SPECIAL PROVISIONS

PROJECT REFERENCE NO.		SHEET NO.
I-4910 (39997.3.GVI)		3 of 5
STATE PROJECT	F.A. PROJECT NO.	DESCRIPTION
39997.3.GVI		



### BRIDGE HALF TYPICAL SECTION

FOR BRIDGES WITH FLOOR DRAINS, CARE SHALL BE EXERCISED IN PLACING THE WEARING SURFACE AROUND FLOOR DRAINS SO AS NOT TO HINDER EFFECTIVE DRAINAGE. ALL DRAINS SHALL BE LEFT OPEN.

THE PROPOSED WEARING SURFACE SHALL VARY IN THICKNESS AS NECESSARY TO PROVIDE A SMOOTH RIDING SURFACE. A THICKNESS OF NOT LESS THAN 5/8" SHALL BE PROVIDED. THE MAXIMUM THICKNESS SHALL PREFERABLY BE 1-1/2" UNLESS IT IS IMPRACTICAL TO PROVIDE A SMOOTH RIDING SURFACE OTHERWISE.

### NOTES

ALL UNPAVED S.R. ROADS TO BE RESURFACED 50' FROM EDGE OF PAVEMENT OF MAIN PROJECT.  
 ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII, OR AS DIRECTED BY THE ENGINEER.  
 EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES.  
 BRIDGES TO BE RESURFACED AT LOCATIONS AND TO DEPTH AS DIRECTED BY THE ENGINEER.

PROJECT NO.	SHEET NO.	TOTAL NO.
I-4910 (39997.3.GV1)	4	5

### Summary of Quantities

PROJECT NO.	COUNTY	MAP NO.	ROUTE	DESCRIPTION	TYP NO.	LENGTH MI.	WIDTH FT.	MOBILIZATION LS.	PIPE CLEAN-OUT EA.	SHOULDER RECONSTRUCTION SMI.	3" MILLING SY.	6" MILLING SY.	MILLED RUMBLE STRIPS LF.	INTER-MEDIATE COURSE, I19.0D TONS.	SURFACE COURSE, S9.5B TONS.	SURFACE COURSE, S9.5D TON.	PG 64-22 PLANT MIX TONS.	PG 70-22 PLANT MIX TONS.	PG76-22, PLANT MIX TON.	OGAFC, TYPE FC1 MODIFIED TON.	FRAME WITH 2 GRATES, 840.22 EA.	STEEL FRAM WITH 2 GRATES, 840.37 EA.		
39997.3.GV1	Haywood	1	I-40 EAST	FROM THE TENNESSEE LINE TO MM 14.8	1	14.8	42	*	10	8.15	46,500	36,500	77,800	22,145	8,927	20,830	536	1,041	1,703	8,850	5	5		
		2	I-40 WEST	FROM TENNESSEE LINE TO MM 14.8	1	14.8	42	*	10	11.43	46,500	36,500	77,800	22,145	8,927	20,830	536	1,041	1,703	8,850	2			
		3	RAMP	EASTBOUND ACCESS RAMP FROM COLD SPRINGS RD TO I-40	2	0.3	22	*		0.47						350		21						
		4	RAMP	EASTBOUND EXIT RAMP FROM I-40 TO SR1338	2	0.29	22	*		0.28						330		20						
		5	RAMP	WESTBOUND ACCESS RAMP FROM SR1338 TO I-40	2	0.24	19	*		0.47						220		13						
		6	RAMP	WESTBOUND EXIT RAMP FROM I-40 TO COLD SPRINGS RD	2	0.23	19	*		0.28						216		13						
		7	RAMP	WESTBOUND ACCESS RAMP FROM COLD SPRINGS RD TO I-40	2	0.29	22	*		0.28						330		13						
		8	RAMP	EASTBOUND EXIT RAMP FROM COLD SPRINGS RD TO I-40	2	0.24	22	*		0.57						270		16						
<b>TOTAL FOR PROJ NO. 39997.3.GV1</b>						<b>14.8</b>		<b>LS</b>	<b>20</b>	<b>21.93</b>	<b>93,000</b>	<b>73,000</b>	<b>155,600</b>	<b>44,290</b>	<b>19,570</b>	<b>41,660</b>	<b>1,168</b>	<b>2,082</b>	<b>3,406</b>	<b>17,700</b>	<b>7</b>	<b>5</b>		
<b>GRAND TOTAL</b>						<b>14.8</b>		<b>LS</b>	<b>20</b>	<b>21.93</b>	<b>93,000</b>	<b>73,000</b>	<b>155,600</b>	<b>44,290</b>	<b>19,570</b>	<b>41,660</b>	<b>1,168</b>	<b>2,082</b>	<b>3,406</b>	<b>17,700</b>	<b>7</b>	<b>5</b>		

### Summary of Quantities

PROJECT NO.	COUNTY	MAP NO.	ROUTE	DESCRIPTION	TYP NO.	LENGTH MI.	WIDTH FT.	FRAME WITH 2 GRATES, 840.20 EA.	CONCRETE APRON FOR DROP INLET EA.	DRAINAGE STRUCTURE CLEAN-OUT EA.	DRAINAGE STRUCTURE REPAIR LF.	2'-6" CURB & GUTTER LF.	CONCRETE PAVED DITCH SY.	ADJUST CATCH BASIN EA.	ADJUST DROP INLET EA.	STEEL BEAM GUARDRAIL LF.	TRIPLE CORRUGATED STEEL BM GUARDRAIL LF.	TRIPLE C GR TERMINAL SECTION EA.	W-TR BM GUARDRAIL TRANSITION SECTION EA.	GUARDRAIL ANCHOR UNIT, CAT-1 EA.	GUARDRAIL ANCHOR UNIT, TYPE 350 EA.	REMOVE EXISTING GUARDRAIL LF.		
39997.3.GV1	Haywood	1	I-40 EAST	FROM THE TENNESSEE LINE TO MM 14.8	1	14.8	42	5	25	30	10	1,500	10	50	5	2,200	25	2	2	5	6	2,200		
		2	I-40 WEST	FROM TENNESSEE LINE TO MM 14.8	1	14.8	42	2	15	30	10	1,500	50	47	3	600	25	2	2	10	2	600		
		3	RAMP	EASTBOUND ACCESS RAMP FROM COLD SPRINGS RD TO I-40	2	0.3	22														1			
		4	RAMP	EASTBOUND EXIT RAMP FROM I-40 TO SR1338	2	0.29	22										100						100	
		5	RAMP	WESTBOUND ACCESS RAMP FROM SR1338 TO I-40	2	0.24	19														1			
		6	RAMP	WESTBOUND EXIT RAMP FROM I-40 TO COLD SPRINGS RD	2	0.23	19																	
		7	RAMP	WESTBOUND ACCESS RAMP FROM COLD SPRINGS RD TO I-40	2	0.29	22														1			
		8	RAMP	EASTBOUND EXIT RAMP FROM COLD SPRINGS RD TO I-40	2	0.24	22										250							250
<b>TOTAL FOR PROJ NO. 39997.3.GV1</b>						<b>14.8</b>		<b>7</b>	<b>40</b>	<b>60</b>	<b>20</b>	<b>3,000</b>	<b>60</b>	<b>97</b>	<b>8</b>	<b>3,150</b>	<b>50</b>	<b>4</b>	<b>4</b>	<b>18</b>	<b>8</b>	<b>3,150</b>		
<b>GRAND TOTAL</b>						<b>14.8</b>		<b>7</b>	<b>40</b>	<b>60</b>	<b>20</b>	<b>3,000</b>	<b>60</b>	<b>97</b>	<b>8</b>	<b>3,150</b>	<b>50</b>	<b>4</b>	<b>4</b>	<b>18</b>	<b>8</b>	<b>3,150</b>		

PROJECT NO.	SHEET NO.	TOTAL NO.
I-4910 (39997.3.GV1)	5	5

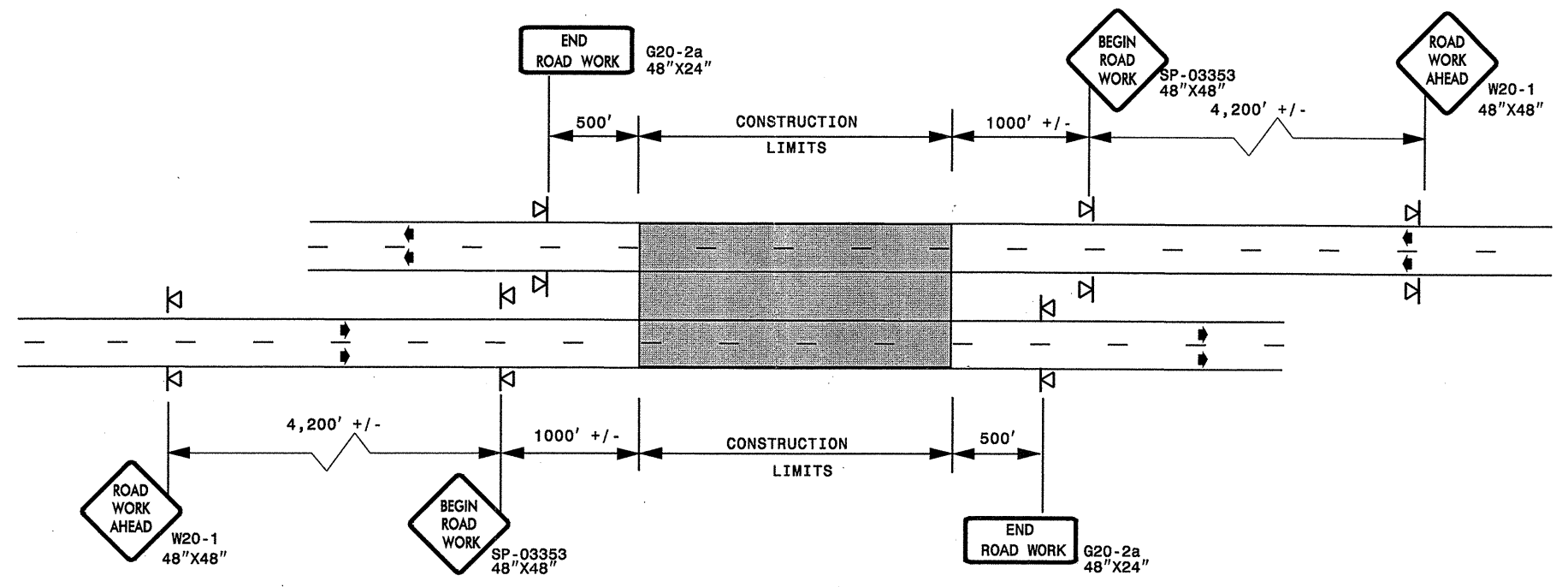
## Polyurea & Paint Quantities

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	4400000000-E	4405000000-E	4415000000-E	4420000000-N	4430000000-E	4435000000-E	4480000000-N	4810000000-E		4840000000-E	4847000000-E			
					STATIONARY WORK ZONE SIGN SF	PORTABLE WORK ZONE SIGN SF	FLASHING ARROW PANELS, TYPE C EA	CHANGEABLE MESSAGE SIGNS EA	DRUMS EA	CONES EA	TRUCK MTD IMP ATTN 60 MPH EA	4" WHITE PAINT LF	4" YELLOW PAINT LF	PAINT PAVEMENT MARKING CHARACTER EA	4" WHITE POLYUREA LINES, STANDARD BEADS LF	4" YELLOW POLYUREA LINES, STANDARD BEADS LF		
39997.3.GV1	Haywood	1	I-40 EAST	FROM THE TENNESSEE LINE TO MM 14.8	421	400	4	4	600	275	6	194,500	155,600	128				
			I-40 WEST	FROM TENNESSEE LINE TO MM 14.8									194,500	155,600	128			
		3	RAMP	EASTBOUND ACCESS RAMP FROM COLD SPRINGS RD TO I-40													1,550	775
			RAMP	EASTBOUND EXIT RAMP FROM I-40 TO SR1338													1,500	575
			RAMP	WESTBOUND ACCESS RAMP FROM SR1338 TO I-40													1,250	425
			RAMP	WESTBOUND EXIT RAMP FROM I-40 TO COLD SPRINGS RD													1,250	575
			RAMP	WESTBOUND ACCESS RAMP FROM COLD SPRINGS RD TO I-40													1,175	725
			RAMP	EASTBOUND EXIT RAMP FROM COLD SPRINGS RD TO I-40													1,250	725
<b>TOTAL FOR PROJ NO. 39997.3.GV1</b>					<b>421</b>	<b>400</b>	<b>4</b>	<b>4</b>	<b>600</b>	<b>275</b>	<b>6</b>	<b>389,000</b>	<b>311,200</b>	<b>256</b>	<b>7,975</b>	<b>3,800</b>		
<b>GRAND TOTAL</b>					<b>421</b>	<b>400</b>	<b>4</b>	<b>4</b>	<b>600</b>	<b>275</b>	<b>6</b>	<b>389,000</b>	<b>311,200</b>	<b>256</b>	<b>7,975</b>	<b>3,800</b>		

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	4847100000-E		4847110000-E	4847140000-E	4847200000-E				4905000000-N	
					6" WHITE POLYUREA LINES, STANDARD BEADS LF	6" YELLOW POLYUREA LINES, STANDARD BEADS LF	8" WHITE POLYUREA LINES, STANDARD BEADS LF	24" WHITE POLYUREA LINES, STANDARD BEADS LF	POLYUREA MK CHARACTER (NO) EA	POLYUREA MK CHARACTER (TRUCKS) EA	POLYUREA MK CHARACTER (THIS) EA	POLYUREA MK CHARACTER (LANE) EA	SNOW PLOWABLE MARKERS (CRYSTAL & RED) EA	
39997.3.GV1	Haywood	1	I-40 EAST	FROM THE TENNESSEE LINE TO MM 14.8	97,250	77,800	1,400		7	7	7	7	1,700	
			I-40 WEST	FROM TENNESSEE LINE TO MM 14.8	97,250	77,800	1,400		6	6	6	6	1,700	
		3	RAMP	EASTBOUND ACCESS RAMP FROM COLD SPRINGS RD TO I-40										
			RAMP	EASTBOUND EXIT RAMP FROM I-40 TO SR1338				40						
			RAMP	WESTBOUND ACCESS RAMP FROM SR1338 TO I-40										
			RAMP	WESTBOUND EXIT RAMP FROM I-40 TO COLD SPRINGS RD				40						
			RAMP	WESTBOUND ACCESS RAMP FROM COLD SPRINGS RD TO I-40										
			RAMP	EASTBOUND EXIT RAMP FROM COLD SPRINGS RD TO I-40				40						
<b>TOTAL FOR PROJ NO. 39997.3.GV1</b>					<b>194,500</b>	<b>155,600</b>	<b>2,800</b>	<b>120</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>3,400</b>	
<b>GRAND TOTAL</b>					<b>194,500</b>	<b>155,600</b>	<b>2,800</b>	<b>120</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>3,400</b>	

**ADVANCED WORK ZONE WARNING SIGNING FOR FREEWAYS (4 LANES OR GREATER)**

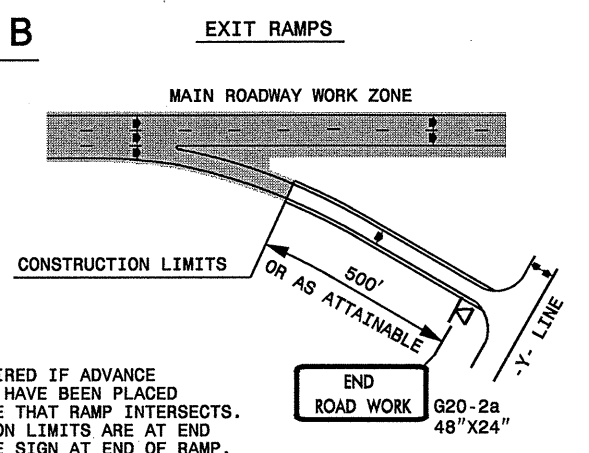
**DETAIL A**



STATE OF NORTH CAROLINA  
DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH, N.C.

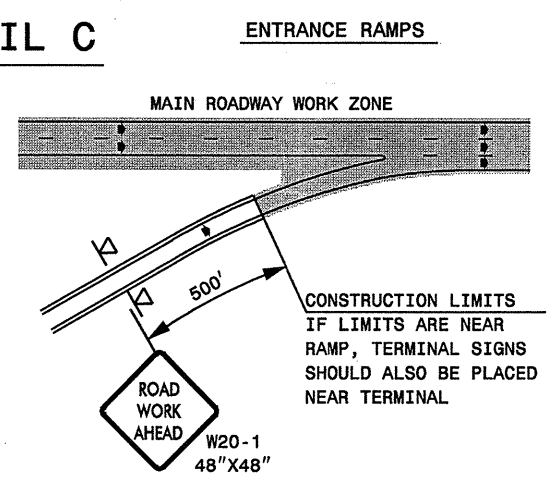
**ROADWAYS INTERSECTING ALONG FREEWAY WORK ZONE (Y-LINES)**

**DETAIL B**



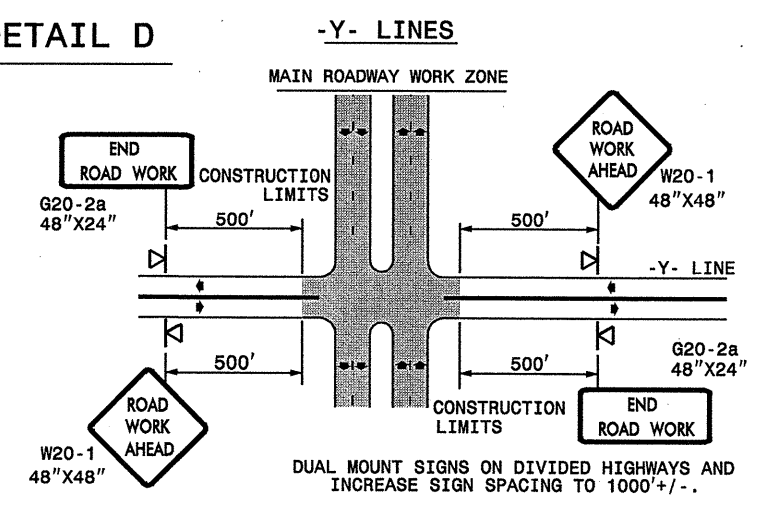
NOTE:  
SIGN NOT REQUIRED IF ADVANCE WARNING SIGNS HAVE BEEN PLACED ALONG -Y- LINE THAT RAMP INTERSECTS. IF CONSTRUCTION LIMITS ARE AT END OF RAMP, PLACE SIGN AT END OF RAMP.

**DETAIL C**



CONSTRUCTION LIMITS IF LIMITS ARE NEAR RAMP, TERMINAL SIGNS SHOULD ALSO BE PLACED NEAR TERMINAL.

**DETAIL D**



**DETAIL DRAWING FOR FREEWAYS  
WORK ZONE WARNING SIGNS  
(SHORT-DURATION LANE CLOSURES)**


**GENERAL NOTES**

- USE FLUORESCENT ORANGE SHEETING (TYPE VII OR HIGHER) ON ALL ADVANCED WORK ZONE SIGNS.
- DO NOT INSTALL ADVANCE WARNING SIGNS MORE THAN 3 DAYS PRIOR TO BEGINNING OF WORK.
- ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED.
- USE PORTABLE WORK ZONE SIGNS ONLY WITH PORTABLE WORK ZONE SIGN STANDS SPECIFICALLY DESIGNED FOR ONE ANOTHER. PORTABLE WORK ZONE SIGNS MAY BE ROLL UP OR APPROVED COMPOSITE.
- PROVIDE PORTABLE WORK ZONE SIGN STANDS, PORTABLE SIGNS AND SIGN SHEETING WHICH ARE LISTED ON THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION'S APPROVED PRODUCT LIST OR ACCEPTED AS TRAFFIC QUALIFIED BY THE TRAFFIC CONTROL UNIT.
- \*\* TWO-WAY UNDIVIDED ADVANCE WARNING SIGN CONFIGURATION MAY BE USED ON MULTI-LANE FACILITIES WHERE CONDITIONS LIMIT THE USE OF DUAL MOUNTED SIGNS AS DETERMINED BY THE ENGINEER.

**LEGEND**

- ◁ PORTABLE SIGN
- ◀ DIRECTION OF TRAFFIC FLOW

SHEET 1 OF 1

APPROVED: _____ DATE: _____	<b>DETAIL DRAWING FOR FREEWAYS WORK ZONE WARNING SIGNS</b>		
SEAL	SCALE: NONE		
	DATE: _____		REVISIONS
	DWG. BY: _____		7-98 10/01
	DESIGN BY: _____		10-98 03/04
REVIEWED BY: _____	01/01 11/04	CADD FILE	

10-MAY-2007 17:25 \\DOT\dfs50001\groups\w7tccc\design\sup4\resur\facimg\resur\facimg2006\div\4\399973gv1\tr\ee4lanesgreat\july2006.dgn



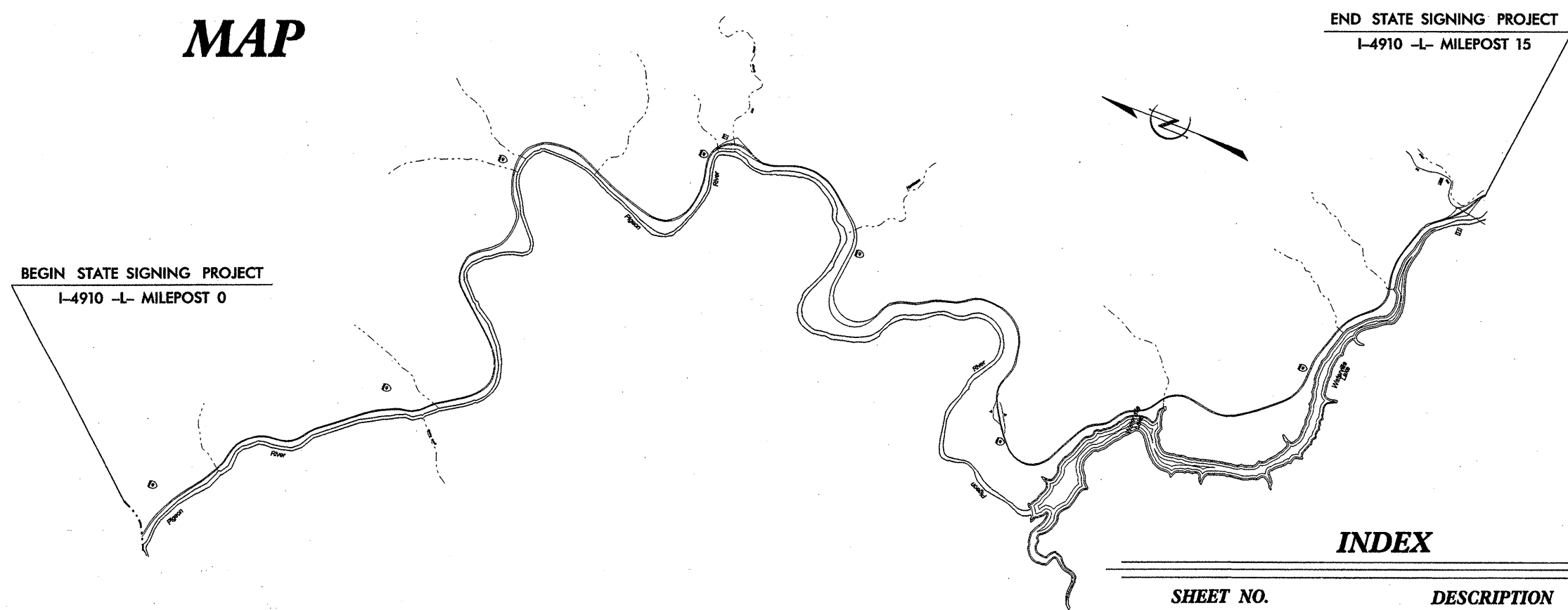
**STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLANS  
HAYWOOD COUNTY**

**LOCATION: I-40 FROM TENNESSEE STATE LINE (MILEPOST 0.0) TO THE REST AREA (MILEPOST 11.5)**

**CONTRACT: C201750 T.I.P.: I-4910**

**MAP**



**INDEX**

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	SUMMARY OF QUANTITIES
3	NOTES
4-6	SIGN DESIGNS
7	TYPE "A", "B", "E" SIGNS
8-11	EXISTING & PROPOSED SIGN LOCATION

PLAN PREPARED BY: N.C.D.O.T. SIGNING SECTION	SEAL
_____ RON KING, P.E. SIGNING ENGINEER _____ AYMAN ALQUDWAH, P.E. SIGNING PROJECT ENGINEER _____ JOSE MARTINEZ SIGNING PROJECT DESIGN ENGINEER _____ ROSI HENNEIN SIGNING DESIGN TECHNICIAN	

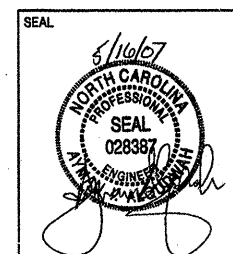


# SIGNS SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT	ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT	ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.				DESC. NO.	SECT. NO.				DESC. NO.	SECT. NO.			
0001000000	800	MOBILIZATION.....		L.S.	4192000000	907	DISPOSAL OF SUPPORT, U-CHANNEL.....		EA.	4251000000	SP	OVERHEAD FOOTINGS.....		EA.
4025000000	901	CONTRACTOR FURNISHED, TYPE A SIGN.....		S.F.	4192000000	907	STOCKPILE SIGN, A OR B (OVERHEAD).....		EA.	4251000000	SP	OVERHEAD FOOTINGS.....		EA.
4025000000	901	CONTRACTOR FURNISHED, TYPE B SIGN.....		S.F.	4228000000	907	DISPOSAL OF SIGN, A OR B (OVERHEAD).....		EA.	4251000000	SP	OVERHEAD FOOTINGS.....		EA.
4025000000	901	CONTRACTOR FURNISHED, TYPE D SIGN.....		S.F.	4234000000	907	STOCKPILE SIGN, A OR B (GROUND MOUNTED).....		EA.	4251000000	SP	OVERHEAD FOOTINGS.....		EA.
4025000000	901	CONTRACTOR FURNISHED, TYPE E SIGN.....		S.F.	4235000000	907	DISPOSAL OF SIGN, A OR B (GROUND MOUNTED).....	9	EA.	4251000000	SP	OVERHEAD FOOTINGS.....		EA.
4025000000	901	CONTRACTOR FURNISHED, TYPE F SIGN.....		S.F.	4236000000	907	STOCKPILE SIGN, D, E OR F.....		EA.	4251000000	SP	OVERHEAD FOOTINGS.....		EA.
4025000000	901	CONTRACTOR FURNISHED, OVERLAYS SIGN.....		S.F.	4237000000	907	DISPOSAL OF SIGN, D, E OR F.....		EA.	4251000000	SP	OVERHEAD FOOTINGS.....		EA.
4025000000	901	CONTRACTOR FURNISHED, MILEMARKER SIGN.....		S.F.	4238000000	907	STOCKPILE SIGN, MILEMARKERS.....		EA.	4251000000	SP	OVERHEAD FOOTINGS.....		EA.
4048000000	902	REINFORCED CONCRETE SIGN FOUNDATION.....		C.Y.	4237500000	907	DISPOSAL OF SIGN, MILEMARKERS.....		EA.	4251000000	SP	OVERHEAD FOOTINGS.....		EA.
4060000000	903	SUPPORTS, BREAKAWAY STEEL BEAM.....		LB.	4238500000	907	STOCKPILE LIGHTING FIXTURES.....		EA.	4251000000	SP	OVERHEAD FOOTINGS.....		EA.
4066000000	903	SUPPORTS, SIMPLE STEEL BEAM.....		LB.	4252000000	907	DISPOSAL OF LIGHTING FIXTURES.....		EA.	4251000000	SP	OVERHEAD FOOTINGS.....		EA.
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL.....	542	L.F.	4258000000	907	STOCKPILE WALKWAY.....		EA.	4251000000	SP	OVERHEAD FOOTINGS.....		EA.
4078000000	903	SUPPORTS, 2 LB STEEL U-CHANNEL.....		EA.	4262000000	907	DISPOSAL OF WALKWAY.....		EA.	4355000000	SP	DYNAMIC MESSAGE SIGN SYSTEM INTEGRATION.....		L.S.
4079000000	903	SUPPORTS, BARRIER (SMALL).....		EA.	4263000000	907	DISPOSAL OF SIGN, OVERLAY (OVERHEAD).....		EA.	4355100000	SP	DYNAMIC MESSAGE SIGN SYSTEM "DMS-**".....		L.S.
4080000000	903	SUPPORTS, BARRIER (LARGE).....		EA.	4241000000	907	DISPOSAL OF SIGN, OVERLAY (GROUND MOUNTED).....		EA.	4355200000	SP	DYNAMIC MESSAGE SIGN SYSTEM "DMS-**".....		L.S.
4080200000	903	SUPPORTS, STEEL SQUARE TUBE.....		L.F.	4242000000	907	STOCKPILE LIGHTING SYSTEM.....		EA.	4355200000	SP	DMS SYSTEM SERVER COMPUTER.....		EA.
4082000000	903	SUPPORTS, WOOD.....		L.F.	4250000000	907	DISPOSAL OF LIGHTING SYSTEM.....		EA.	4355210000	SP	DMS SYSTEM CLIENT COMPUTER.....		EA.
4098000000	904	SIGN ERECTION, TYPE D.....	11	EA.	4081000000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STATION " ".....		L.S.	4355220000	SP	DMS SYSTEM LAPTOP COMPUTER.....		EA.
4102000000	904	SIGN ERECTION, TYPE E.....	10	EA.	4057000000	SP	OVERHEAD SIGN ASSEMBLY AT STA *****.....		C.Y.	4355230000	SP	DMS SYSTEM CONTROL SOFTWARE.....		EA.
4108000000	904	SIGN ERECTION, TYPE F.....		EA.	4082200000	SP	OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-**".....		L.S.	4355300000	SP	DYNAMIC MESSAGE SIGN MAINTENANCE TRAINING.....		EA.
4109000000	904	SIGN ERECTION, TYPE A (OVERHEAD).....		EA.	4083200000	SP	OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-**".....		L.S.	4355310000	SP	DYNAMIC MESSAGE SIGN SYSTEM DESIGN APPROVAL TESTS.....		EA.
4109000000	904	SIGN ERECTION, TYPE B (OVERHEAD).....		EA.	4083200000	SP	OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-**".....		L.S.	4355320000	SP	DYNAMIC MESSAGE SIGN SYSTEM OPERATIONAL FACTORY TESTS.....		L.S.
4110000000	904	SIGN ERECTION, TYPE A (GROUND MOUNTED).....	7	EA.	4083200000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.	4355330000	SP	DYNAMIC MESSAGE SIGN SYSTEM OPERATIONAL FIELD TESTS.....		L.S.
4110000000	904	SIGN ERECTION, TYPE B (GROUND MOUNTED).....	2	EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.	4355340000	SP	DYNAMIC MESSAGE SIGN BENCH TEST UNIT.....		EA.
4114000000	904	SIGN ERECTION, MILEMARKERS.....		EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.	4355350000	SP	DYNAMIC MESSAGE SIGN SYSTEM NTPC TESTS.....		EA.
4115000000	904	SIGN ERECTION, OVERLAY (OVERHEAD).....		EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4116000000	904	SIGN ERECTION, OVERLAY (GROUND MOUNTED).....		EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE A (OVERHEAD).....		EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE B(OVERHEAD).....		EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE A (GROUND MOUNTED).....		EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE B (GROUND MOUNTED).....		EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE D.....		EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE E.....		EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE F.....		EA.	4127000000	SP	LIGHTING FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4116100000	904	SIGN ERECTION, RELOCATE SIGN MILEMARKERS.....		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4116200000	904	SIGN ERECTION, REPOSITION OVERHEAD.....		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4116300000	904	SIGN ERECTION, LOGO TO PANEL.....		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4116400000	904	SIGN ERECTION, LOGO TRAILBLAZER.....		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4116500000	904	SIGN ERECTION, WALKWAY.....		L.F.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4132000000	907	STOCKPILE SUPPORT, STEEL BEAM.....		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4138000000	907	DISPOSAL OF SUPPORT, STEEL BEAM.....		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4140000000	907	STOCKPILE SUPPORT, WOOD.....		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4141000000	907	DISPOSAL OF SUPPORT, WOOD.....		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4142000000	907	STOCKPILE SUPPORT, OVERHEAD STRUCTURE.....		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4143000000	907	DISPOSAL OF SUPPORT, OVERHEAD STRUCTURE.....		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4148000000	907	STOCKPILE SIGN SYSTEM, OVERHEAD.....		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4149000000	907	DISPOSAL OF SIGN SYSTEM, OVERHEAD.....		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4151000000	907	STOCKPILE SIGN SYSTEM, STEEL BEAM.....		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4152000000	907	DISPOSAL OF SIGN SYSTEM, STEEL BEAM.....		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4154000000	907	STOCKPILE SIGN SYSTEM, U-CHANNEL.....		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL.....		EA.	4127500000	SP	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4157000000	907	STOCKPILE SIGN SYSTEM, WOOD.....	13	EA.	4128000000	SP	STATIC LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA *****.....		L.S.					
4158000000	907	DISPOSAL OF SIGN SYSTEM, WOOD.....		EA.	4251000000	SP	OVERHEAD FOOTINGS.....		EA.					
4186000000	907	STOCKPILE SUPPORT, U-CHANNEL.....		EA.										

**ROADWAY STANDARD DRAWINGS  
APPLICABLE TO THESE SIGNING PLANS**

901.10	901.50	904.20
901.20	901.70	904.30
901.30	901.80	904.50
901.40	904.10	



## SUMMARY OF QUANTITIES

SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION	REVISIONS
DATE	MAY 2007		
SIGNING DESIGN TECH	R. HENNEIN	DIVISION OF HIGHWAYS	
SIGNING PROJECT DGN ENG	J. MARTINEZ		
SIGNING PROJECT ENG	A. ALQUDWAH	TRAFFIC ENGINEERING BRANCH	

**Pay Item Notes:**

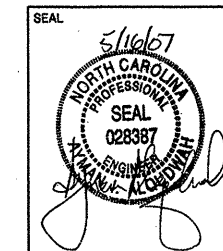
- 1 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 2 DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)

**General Notes:**

- . SIGNS FURNISHED BY STATE
- . ALL TYPE 'D' SIGNS SHALL BE MOUNTED ON TWO U-CHANNEL POSTS UNLESS OTHERWISE INDICATED ON THE PLANS.
- . IF REMOVAL OR RELOCATION OF SIGNS ON PRIVATE STREET (NON-STATE MAINTAINED) IS REQUIRED DUE TO CONSTRUCTION, THE CONTRACTOR SHALL INFORM THE ENGINEER. THE WORK WILL BE COMPLETED BY OTHERS.
- . SIGNING PLANS DO NOT INCLUDE TEMPORARY CONSTRUCTION SIGNING OR PAVEMENT MARKINGS. SEE TRAFFIC CONTROL PLANS.
- . WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL 'E' AND 'F' SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER
- . ALL EXISTING SIGNS ON "U" CHANNEL POST WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND DISPOSED OF UNLESS OTHERWISE NOTED ON PLANS.
- . WHEN EXISTING SIGNS ARE REMOVED AND INSTALLED ON NEW SUPPORTS, THE RE-ERECTION SHALL IMMEDIATELY FOLLOW THE REMOVAL.
- . THE BACKGROUND FOR TYPE E & F SIGNS SHALL BE TYPE III REFLECTIVE SHEETING.
- . THE CONTRACTOR SHALL BE REQUIRED TO SUBMIT TO THE N.C.D.O.T. FOR APPROVAL, DETAIL DRAWINGS OF LUMINAIRE RETRIEVAL SYSTEM MOUNTING ON OHS ASSEMBLY.
- . THE CONTRACTOR SHALL USE LUMINAIRE RETRIEVAL SYSTEM ON ALL OVERHEAD STRUCTURES. WALKWAY AND HANDRAIL IS NOT REQUIRED.
- . INSTALLATION OF LUMINAIRE RETRIEVAL SYSTEM SHALL ALLOW LUMINAIRE MAINTENACE FROM THE SHOULDER WITHOUT THE NEED FOR LANE CLOSURE. THE DRIVE HANDLE OF THE LUMINAIRE RETRIEVAL SYSTEM SHALL BE LOCATED A MINIMUM OF 0.92M (3') FROM THE RIGHT EDGE OF THE SHOULDER AWAY FROM THE ROADWAY TRAFFIC.
- . THE CONTRACTOR SHALL ENSURE THAT COORDINATION IS ESTABLISHED BETWEEN THE OHS ASSEMBLY AND LUMINAIRE RETRIEVAL SYSTEM FABRICATORS SO THAT A FULLY FUNCTIONAL SIGN AND LIGHTING SYSTEM IS INSTALLED. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY OHS ASSEMBLY AND LUMINAIRE RETRIEVAL SYSTEM INCOMPATIBILITIES, OR INSTALLATION OF A LIGHTING SYSTEM NOT FUNCTIONING TO ITS INTENDED PURPOSE.
- . DO NOT BEGIN FABRICATION FOR TYPES A & B SIGNS MOUNTED ON OVERHEAD STRUCTURES OR STEEL SUPPORTS UNTIL "S" DIMENSIONS HAVE BEEN FIELD VERIFIED.
- . SEE ROADWAY PLANS FOR GUARDGUIDE RAIL DETAILS.

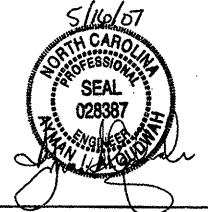
**Project Notes:**

Project Notes section containing a large empty rectangular box for additional notes.



**NOTES**

SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	MAY 2007		
SIGNING DESIGN TECH	R. HENNEIN		
SIGNING PROJECT DGN ENG	J. MARTINEZ		
SIGNING PROJECT ENG	A. ALQUDWAH		



**SIGN NUMBER:** 301 **BACKG COLOR:** Yellow **COPY COLOR:** Black  
**TYPE:** D **DESIGN BY:** J. MARTINEZ **CHECKED BY:** **DATE:** May 08, 2007  
**PROJECT ID:** I-4910 **DIV:** 14

**QUANTITY:** 1

SYMBOL	X	Y	WID	HT

**SIGN WIDTH:** 96" **HEIGHT:** 48"  
**TOTAL AREA:** 32.0 Sq.Ft.

**BORDER TYPE:** RECESSED  
**RECESS:** 0.75"  
**WIDTH:** 1.25"  
**RADII:** 3"

**NO. Z BARS:** 2 **MAT'L:** 0.125" (3.2 mm) ALUMINUM  
**LENGTH:** 88.0"

**USE NOTES:** 1,4  
 1. Legend and border shall be direct applied Type III reflective sheeting.  
 2. Legend and border shall be direct applied non-reflective sheeting.  
 3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
 4. Background shall be Type III reflective sheeting.  
 5. Background shall be Type I reflective sheeting.  
 6. Center arrow(s) vertically on sign.  
 7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

**BORDER**  
 R=3"  
 TH=1.25"  
 IN=0.75"

Spacing Factor is 1 unless specified otherwise

**LETTER POSITIONS**

Letter spacings are to start of next letter													Series/Size					
W	A	T	C	H	F	O	R	S	L	I	D	E	S	Text Length				
12.4	6.6	4.8	3.9	5	3.4	6	3.9	6.2	3.4	6	4.7	4.2	2.8	5	3.6	3.4	12.4	B 2000
																		71.2
A	N	D	R	O	C	K	S	I	N	R	O	A	D	Text Length				
8.6	5.4	5.2	3.4	6	4.5	5.5	4.3	3.4	6	2.8	3.4	6	4.5	4.6	5.4	3.4	8.8	B 2000
																		78.4
N	E	X	T	2	0	M	I	L	E	S	Text Length							
17.7	6.2	3.8	4.4	3	8	4.6	3.7	8	6.7	2.8	4.2	3.8	3.4	17.7	B 2000			
																		60.6

FILENAME: I-4910 Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

**SIGN NUMBER:** 304,307,311 **BACKG COLOR:** White **COPY COLOR:** Black  
**TYPE:** D **DESIGN BY:** J. MARTINEZ **CHECKED BY:** **DATE:** May 08, 2007  
**PROJECT ID:** I-4910 **DIV:** 14

**QUANTITY:** 3

SYMBOL	X	Y	WID	HT

**SIGN WIDTH:** 78" **HEIGHT:** 36"  
**TOTAL AREA:** 19.8 Sq.Ft.

**BORDER TYPE:** RECESSED  
**RECESS:** 0.63"  
**WIDTH:** 0.83"  
**RADII:** 2.25"

**NO. Z BARS:** 1 **MAT'L:** 0.125" (3.2 mm) ALUMINUM  
**LENGTH:** 88.0"

**USE NOTES:** 1,4  
 1. Legend and border shall be direct applied Type III reflective sheeting.  
 2. Legend and border shall be direct applied non-reflective sheeting.  
 3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
 4. Background shall be Type III reflective sheeting.  
 5. Background shall be Type I reflective sheeting.  
 6. Center arrow(s) vertically on sign.  
 7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

**BORDER**  
 R=2.25"  
 TH=0.83"  
 IN=0.63"

Spacing Factor is 1 unless specified otherwise

**LETTER POSITIONS**

Letter spacings are to start of next letter													Series/Size					
T	U	R	N	O	N	Text Length												
16.7	6.2	7.4	6.8	5.4	8	7.4	5.4	16.7	D 2000									
																		46.6
H	E	A	D	L	I	G	H	T	S	Text Length								
7.9	7.4	6.6	8	7.2	6.2	3	7.2	6.6	6.6	5.4	7.9	D 2000						
																		62.2

FILENAME: I-4910 Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

**SIGN NUMBER:** 302,303,305,306,309,310 **BACKG COLOR:** Yellow **COPY COLOR:** Black  
**TYPE:** D **DESIGN BY:** J. MARTINEZ **CHECKED BY:** **DATE:** May 08, 2007  
**PROJECT ID:** I-4910 **DIV:** 14

**QUANTITY:** 6

SYMBOL	X	Y	WID	HT

**SIGN WIDTH:** 36" **HEIGHT:** 20"  
**TOTAL AREA:** 5.0 Sq.Ft.

**BORDER TYPE:** RECESSED  
**RECESS:** 0.38"  
**WIDTH:** 0.63"  
**RADII:** 1.5"

**NO. Z BARS:** 1 **MAT'L:** 0.080" (2.0 mm) ALUMINUM  
**LENGTH:** 88.0"

**USE NOTES:** 1,4  
 1. Legend and border shall be direct applied Type III reflective sheeting.  
 2. Legend and border shall be direct applied non-reflective sheeting.  
 3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
 4. Background shall be Type III reflective sheeting.  
 5. Background shall be Type I reflective sheeting.  
 6. Center arrow(s) vertically on sign.  
 7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

**BORDER**  
 R=1.5"  
 TH=0.63"  
 IN=0.38"

MOUNT BELOW SIGN 464  
 IN 6 INSTALLATIONS

Spacing Factor is 1 unless specified otherwise

**LETTER POSITIONS**

Letter spacings are to start of next letter													Series/Size					
R	E	M	O	V	E	Text Length												
7.4	3.6	3.4	4.3	3.5	3.8	2.6	7.4	C 2000										
																		21.3
S	U	N	G	L	A	S	S	E	S	Text Length								
2.4	3.3	3.5	3.4	3.4	2.6	3.3	3.1	3.3	2.8	2.6	2.4	C 2000						
																		31.2

FILENAME: I-4910 Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

**SIGN NUMBER:** 308 **BACKG COLOR:** White **COPY COLOR:** Black  
**TYPE:** D **DESIGN BY:** J. MARTINEZ **CHECKED BY:** **DATE:** May 08, 2007  
**PROJECT ID:** I-4910 **DIV:** 14

**QUANTITY:** 1

SYMBOL	X	Y	WID	HT

**SIGN WIDTH:** 78" **HEIGHT:** 36"  
**TOTAL AREA:** 19.6 Sq.Ft.

**BORDER TYPE:** RECESSED  
**RECESS:** 0.63"  
**WIDTH:** 0.83"  
**RADII:** 2.25"

**NO. Z BARS:** 1 **MAT'L:** 0.125" (3.2 mm) ALUMINUM  
**LENGTH:** 88.0"

**USE NOTES:** 1,4  
 1. Legend and border shall be direct applied Type III reflective sheeting.  
 2. Legend and border shall be direct applied non-reflective sheeting.  
 3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
 4. Background shall be Type III reflective sheeting.  
 5. Background shall be Type I reflective sheeting.  
 6. Center arrow(s) vertically on sign.  
 7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

**BORDER**  
 R=2.25"  
 TH=0.83"  
 IN=0.63"

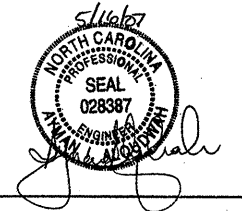
Spacing Factor is 1 unless specified otherwise

**LETTER POSITIONS**

Letter spacings are to start of next letter													Series/Size					
C	H	E	C	K	Text Length													
22.2	7.2	7.4	6.2	7.2	6.6	22.2	D 2000											
																		33.6
H	E	A	D	L	I	G	H	T	S	Text Length								
7.9	7.4	6.6	8	7.2	6.2	3	7.2	6.6	6.6	5.4	7.9	D 2000						
																		62.2

FILENAME: I-4910 Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

TECC221657 5/15/2007 quantities, a,b,d,e & f signs rhennein TECC-Oce34bond



SIGN NUMBER: 802 TYPE: B QUANTITY: 1  
 SIGN WIDTH: 96" HEIGHT: 24" TOTAL AREA: 16.0 Sq.Ft.  
 BORDER TYPE: FLUSH RECESS: 0" WIDTH: 1" RADII: 3"  
 NO. Z BARS: 2 LENGTH: 184.0  
 MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: J. MARTINEZ CHECKED BY: DIV: 14 DATE: May 04, 2007  
 PROJECT ID: I-4910

MOUNT BELOW SIGN 801

USE NOTES: 1,4  
 1. Legend and border shall be direct applied Type III reflective sheeting.  
 2. Legend and border shall be direct applied non-reflective sheeting.  
 3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
 4. Background shall be Type III reflective sheeting.  
 5. Background shall be Type I reflective sheeting.  
 6. Center arrow(s) vertically on sign.  
 7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

Letter spacings are to start of next letter												Series/Size
												Text Length
	H	E	Y	W	O	O	D	C	O			EM 2000
10.4	8.5	7.6	8.2	9.0	7.2	7.2	5.3	8	5.4	10.4	75.2	

FILENAME: I-4910 Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 805 TYPE: A QUANTITY: 1  
 SIGN WIDTH: 192" HEIGHT: 78" TOTAL AREA: 104.0 Sq.Ft.  
 BORDER TYPE: FLUSH RECESS: 0" WIDTH: 2" RADII: 12"  
 NO. Z BARS: 2 LENGTH: 184.0  
 MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: J. MARTINEZ CHECKED BY: DIV: 14 DATE: May 04, 2007  
 PROJECT ID: I-4910

MOUNT BELOW SIGN 801

USE NOTES: 1,4  
 1. Legend and border shall be direct applied Type III reflective sheeting.  
 2. Legend and border shall be direct applied non-reflective sheeting.  
 3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
 4. Background shall be Type III reflective sheeting.  
 5. Background shall be Type I reflective sheeting.  
 6. Center arrow(s) vertically on sign.  
 7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

Letter spacings are to start of next letter												Series/Size
												Text Length
	H	a	r	m	o	n	D	e	n			EM 2000
19.4	17	17	11.0	22.0	15.8	10.0	10	10.3	10.5	10.0	19.4	153.1

FILENAME: I-4910 Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 804 TYPE: A QUANTITY: 1  
 SIGN WIDTH: 192" HEIGHT: 66" TOTAL AREA: 89.0 Sq.Ft.  
 BORDER TYPE: FLUSH RECESS: 0" WIDTH: 2" RADII: 9"  
 NO. Z BARS: 2 LENGTH: 184.0  
 MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: J. MARTINEZ CHECKED BY: DIV: 14 DATE: May 04, 2007  
 PROJECT ID: I-4910

MOUNT BELOW SIGN 801

USE NOTES: 1,4  
 1. Legend and border shall be direct applied Type III reflective sheeting.  
 2. Legend and border shall be direct applied non-reflective sheeting.  
 3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
 4. Background shall be Type III reflective sheeting.  
 5. Background shall be Type I reflective sheeting.  
 6. Center arrow(s) vertically on sign.  
 7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

Letter spacings are to start of next letter												Series/Size
												Text Length
	H	a	r	m	o	n	D	e	n			EM 2000
19.4	17	17	11.0	22.0	15.8	10.0	10	10.3	10.5	10.0	19.4	153.1
	1	M	I	L	E							E 2000
69.7	4.5	15	12	4.4	9.2	7.5	69.7	82.0				

FILENAME: I-4910 Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 806 TYPE: A QUANTITY: 1  
 SIGN WIDTH: 182" HEIGHT: 36" TOTAL AREA: 40.5 Sq.Ft.  
 BORDER TYPE: FLUSH RECESS: 0" WIDTH: 1" RADII: 6"  
 NO. Z BARS: 2 LENGTH: 184.0  
 MAT'L: 0.125" (3.2 mm) ALUMINUM

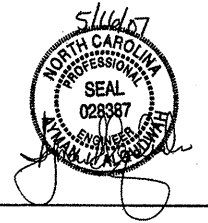
DESIGN BY: J. MARTINEZ CHECKED BY: DIV: 14 DATE: May 04, 2007  
 PROJECT ID: I-4910

MOUNT BELOW SIGN 801

USE NOTES: 1,4  
 1. Legend and border shall be direct applied Type III reflective sheeting.  
 2. Legend and border shall be direct applied non-reflective sheeting.  
 3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
 4. Background shall be Type III reflective sheeting.  
 5. Background shall be Type I reflective sheeting.  
 6. Center arrow(s) vertically on sign.  
 7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

Letter spacings are to start of next letter												Series/Size												
												Text Length												
	L	E	A	V	I	N	G					D 2000												
63	4.0	4.2	5.5	5.5	2.4	5.4	4.1	67.4	31.6															
	P	i	s	g	a	h	N	a	t	i	o	n	a	l	F	o	r	e	s	t	EM 2000			
7	8.4	3.0	7	7.0	8.6	6.3	8	8.5	7.7	6.7	4.1	7.0	7.8	8.5	1.0	8	7.4	7.9	5.2	5.9	7	4.2	7	148.1

FILENAME: I-4910 Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL



SIGN NUMBER: 807  
 TYPE: A  
 QUANTITY: 1  
 SIGN WIDTH: 180"  
 HEIGHT: 60"  
 TOTAL AREA: 82.5 Sq.Ft.  
 BORDER TYPE: FLUSH  
 RECESS: 0"  
 WIDTH: 2"  
 RADII: 9"  
 NO. Z BARS: 2  
 LENGTH: 172.0

BACKG COLOR: Green  
 COPY COLOR: White

SYMBOL	X	Y	WID	HT

DESIGN BY: J. MARTINEZ  
 PROJECT ID: I-4910  
 CHECKED BY:  
 DIV: 14  
 DATE: May 04, 2007

USE NOTES: 1,4  
 1. Legend and border shall be direct applied Type III reflective sheeting.  
 2. Legend and border shall be direct applied non-reflective sheeting.  
 3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
 4. Background shall be Type III reflective sheeting.  
 5. Background shall be Type I reflective sheeting.  
 6. Center arrow(s) vertically on sign.  
 7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter											Series/Size
											Text Length
F	I	n	e	a	C	r	e	e	k		EM 2000
16.7	10.2	9.6	15.5	13.8	10.6	15	17.4	10.4	14.1	15.5	148.6
1	M	I	L	E							E 2000
87.3	4.5	15	12	4.4	9.2	7.6	70.1				52.6

FILENAME: I-4910 Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 809  
 TYPE: A  
 QUANTITY: 1  
 SIGN WIDTH: 162"  
 HEIGHT: 36"  
 TOTAL AREA: 40.5 Sq.Ft.  
 BORDER TYPE: FLUSH  
 RECESS: 0"  
 WIDTH: 1"  
 RADII: 6"  
 NO. Z BARS: 2  
 LENGTH: 154.0

BACKG COLOR: Green  
 COPY COLOR: White

SYMBOL	X	Y	WID	HT

DESIGN BY: J. MARTINEZ  
 PROJECT ID: I-4910  
 CHECKED BY:  
 DIV: 14  
 DATE: May 04, 2007

USE NOTES: 1,4  
 1. Legend and border shall be direct applied Type III reflective sheeting.  
 2. Legend and border shall be direct applied non-reflective sheeting.  
 3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
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 5. Background shall be Type I reflective sheeting.  
 6. Center arrow(s) vertically on sign.  
 7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter											Series/Size													
											Text Length													
E	N	T	E	R	I	N	G				D 2000													
63	4.7	5	4.6	4.7	5.1	2.4	5.4	4.1	63		35.1													
P	i	s	a	h	N	a	t	i	o	n	a	l	F	o	r	e	s	t	EM 2000					
7	6.4	3.9	7	7.8	8.5	8.3	8	9.5	7.7	6.7	4.1	7.9	7.8	8.5	1.6	8	7.4	7.9	5.2	8.9	7	4.2	7	148.1

FILENAME: I-4910 Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 808  
 TYPE: A  
 QUANTITY: 1  
 SIGN WIDTH: 96"  
 HEIGHT: 60"  
 TOTAL AREA: 40.0 Sq.Ft.  
 BORDER TYPE: FLUSH  
 RECESS: 0"  
 WIDTH: 1.5"  
 RADII: 8"  
 NO. Z BARS: 2  
 LENGTH: 88.0

BACKG COLOR: Green  
 COPY COLOR: White

SYMBOL	X	Y	WID	HT
ARROW	57.6	9.4	18.6	30

DESIGN BY: J. MARTINEZ  
 PROJECT ID: I-4910  
 CHECKED BY:  
 DIV: 14  
 DATE: May 04, 2007

USE NOTES: 1,4  
 1. Legend and border shall be direct applied Type III reflective sheeting.  
 2. Legend and border shall be direct applied non-reflective sheeting.  
 3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
 4. Background shall be Type III reflective sheeting.  
 5. Background shall be Type I reflective sheeting.  
 6. Center arrow(s) vertically on sign.  
 7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

Spacing Factor is 1 unless specified otherwise


LETTER POSITIONS

Letter spacings are to start of next letter						Series/Size
						Text Length
E	X	I	T			EM 2000
29.5	10.6	13	4.6	8.9	29.5	37
1	5					EM 2000
14.9	9.9	14.6	56.6			24.6

FILENAME: I-4910 Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

**SIGN DESIGNS**


801 QUANTITY REQ'D .1\_



108 X 36  
I2-1

MOUNT ON EXISTING STEEL SUPPORTS


464 QUANTITY REQ'D .8\_



48 X 48  
W14-8

TWO "U" POSTS PER SIGN


803 QUANTITY REQ'D .1\_



156 X 84  
I2-2

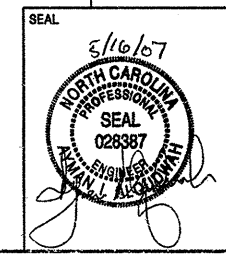
MOUNT ON EXISTING STEEL SUPPORTS

465 QUANTITY REQ'D .2\_



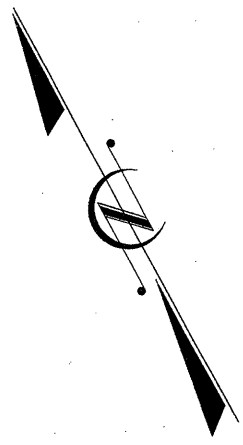
30 X 18  
W16-3a

MOUNT BELOW SIGN 464  
IN 2 INSTALLATIONS

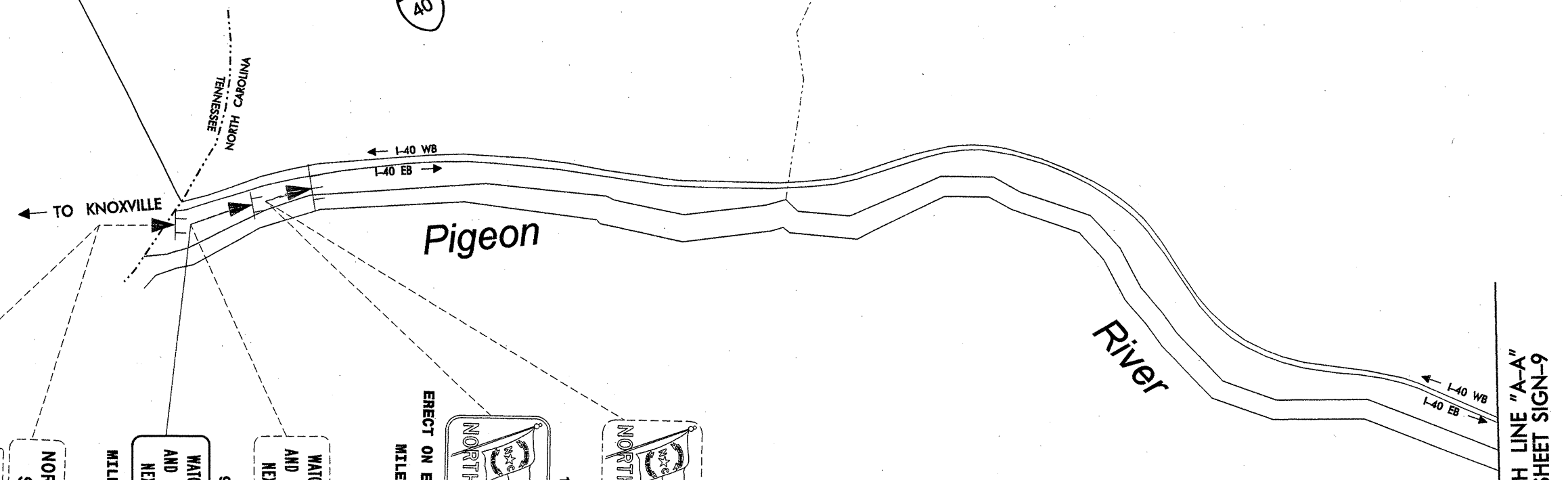


<b>TYPE "A", "B", "E" SIGNS</b>			
SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	MAY 2007		
SIGNING DESIGN TECH	R. HENNEIN		
SIGNING PROJECT DGN ENG	J. MARTINEZ		
SIGNING PROJECT ENG	A. ALQUDWAH		

TIP NO. I-4910	SHEET NO. SIGN-8
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BEGIN STATE SIGNING PROJECT  
I-4910 -L- MILEPOST 0



ERECT ON EXISTING SUPPORTS  
MILEPOST 0.0

96" X 24"  
Haywood Co  
802

108" X 36"  
NORTH CAROLINA  
STATE LINE  
801

Haywood Co  
NORTH CAROLINA  
STATE LINE  
SEE NOTE 2

WATCH FOR SLIDES  
AND ROCKS IN ROAD  
NEXT 20 MILES  
96" X 48"  
301

WATCH FOR SLIDES  
AND ROCKS IN ROAD  
NEXT 20 MILES  
SEE NOTE 1

ERECT ON EXISTING SUPPORTS  
MILEPOST 0.121

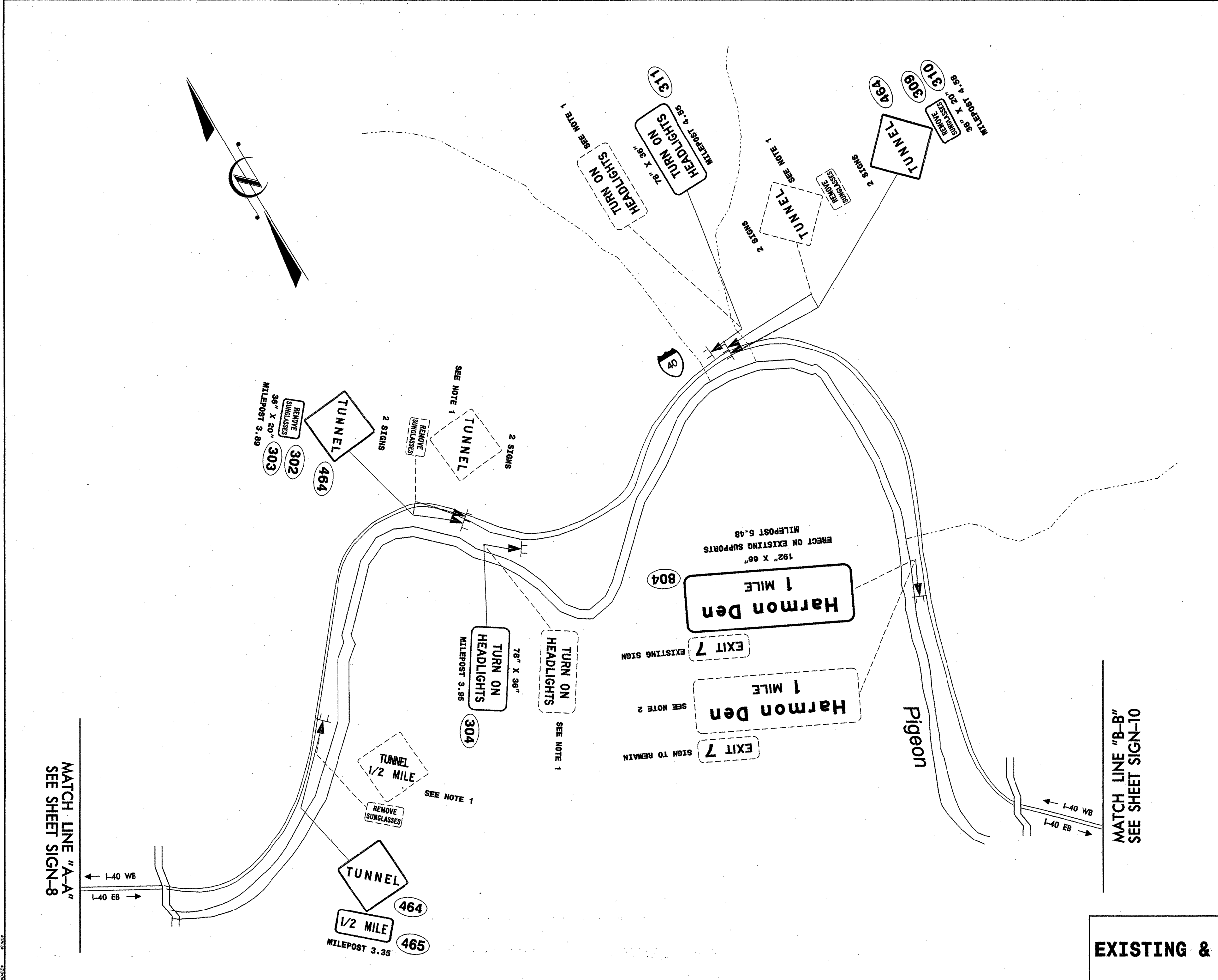
156" X 84"  
Welcome  
To  
NORTH CAROLINA  
803

156" X 84"  
Welcome  
To  
NORTH CAROLINA  
SEE NOTE 2

MATCH LINE "A-A"  
SEE SHEET SIGN-9

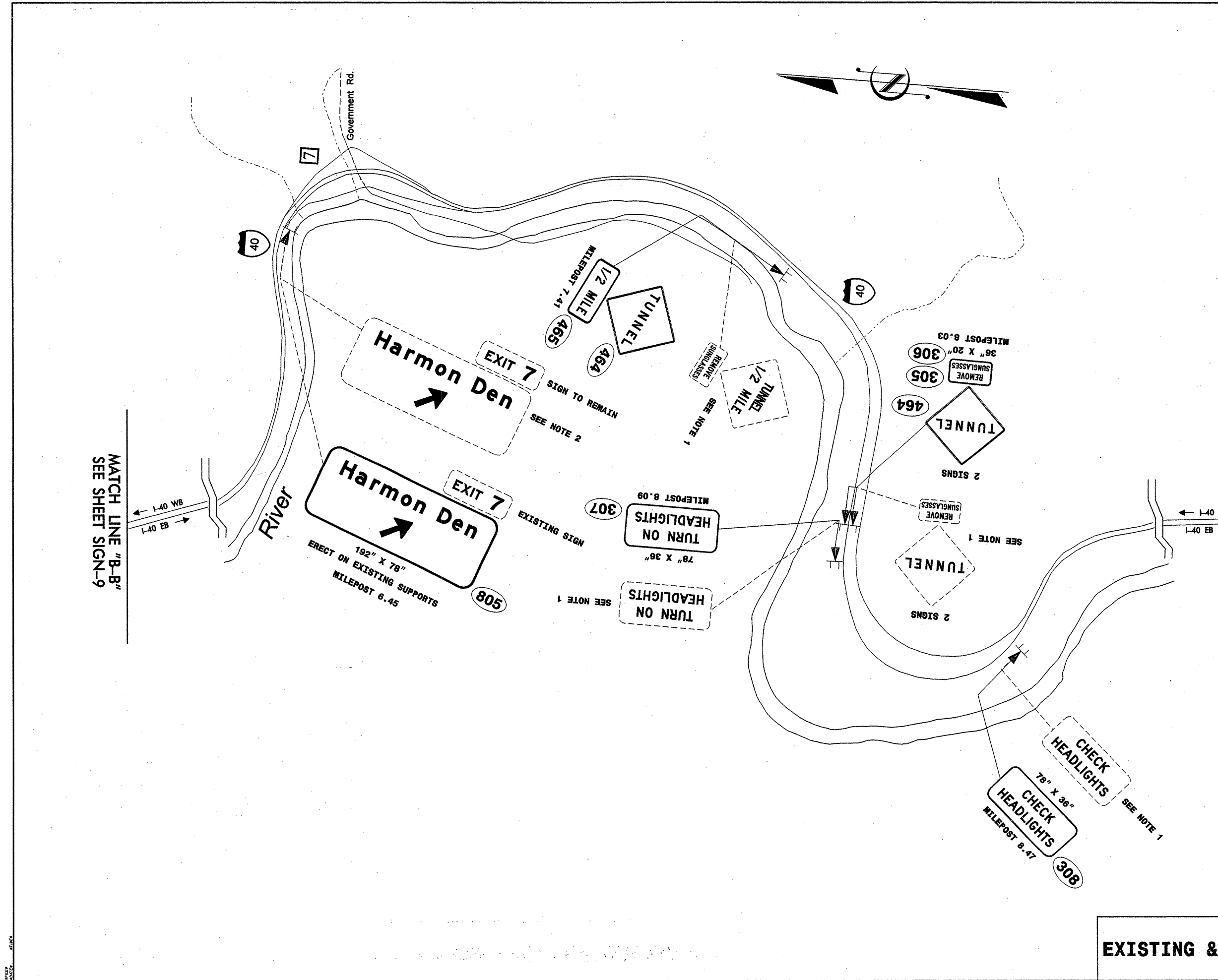
EXISTING & PROPOSED SIGNS





**EXISTING & PROPOSED SIGNS**





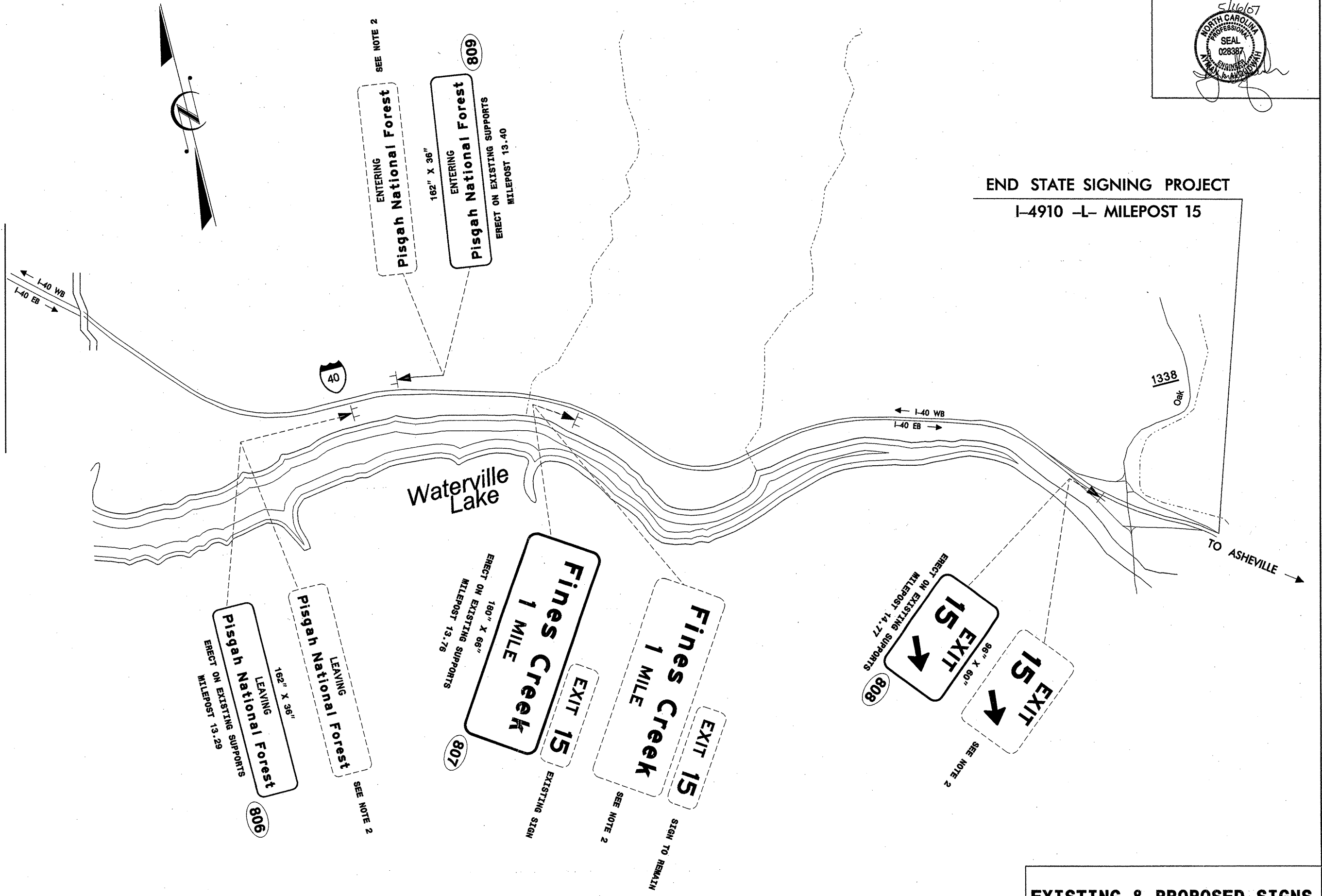
**EXISTING & PROPOSED SIGNS**

TIP NO. I-4910	SHEET NO. SIGN-11
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5/16/07

**END STATE SIGNING PROJECT**  
**I-4910 -L- MILEPOST 15**

MATCH LINE "C-C"  
 SEE SHEET SIGN-10



**EXISTING & PROPOSED SIGNS**